

## Purchasing Receipts

PO No	Supplier Item No	Line Rel No	Terms	Purchased Item	Description	For Part No	For Project	Equipment ID	Order Qty	Due Date	Received Quantity	Accounting Job No	Container No	Status	Receive Date	Price/Unit	Aging Days	Past Due	Total	Supplier Name
PO040266	THY001-VC	1	1 Net 30	M17-4H1150-R4.000	17.4 SS H1150 Round Bar 4.000" MATERIAL: 17.4 PH CONDITION H1150 MATERIAL: 17.4 PH / S 17400 / TYPE 630 SS ROUND BAR GRAIN MUST BE ALONG LENGTH OF BAR MINIMUM YIELD STRENGTH PER TABLE MINIMUM ULTIMATE STRENGTH PER TABLE SPECIFICATION: AMS 5643 OR ASTM A564				6	6/27/2018	6	S084786	Stock	6/27/2018	\$ 165.83 / ft	0	\$995.00	Thyssenkrupp Materials CA Ltd		
		2		M6061T6B2.250X4.000	6061T6 Bar 2.250 X 4.000 : MATERIAL: 6061-T6 T6/T6S1/T6S10/T6S11/T62 ALUMINUM BAR PER QQ-A-2250B OR AMS-QQ-A-2251B OR AMS 411714128041154116 OR QQ-A-2008 OR AMS-QQ-A-2008 OR AMS 4160 OR ASTM B211 OR ASTM B221 receive ft				12	12		S084787	Stock	6/27/2018	\$ 28.05 / ft	0	\$336.57	Thyssenkrupp Materials CA Ltd		
		3		M6061T6B2.500X04.500	6061-T6 Bar 2.50 X 4.50 : MATERIAL: 6061-T6 T6/T6S1/T6S10/T6S11/T62 ALUMINUM BAR PER QQ-A-2251B OR AMS-QQ-A-2252B OR AMS 411714128041154116 OR QQ-A-2008 OR AMS-QQ-A-2008 OR AMS 4160 OR ASTM B211 OR ASTM B221 receive ft				6	6		S084788	Stock	6/27/2018	\$ 35.83 / ft	0	\$215.00	Thyssenkrupp Materials CA Ltd		
		4		M6061T6B2.500X01.250	6061-T6 Bar 2.50 X 1.25 : MATERIAL: 6061-T6 T6/T6S1/T6S10/T6S11/T62 ALUMINUM BAR PER QQ-A-2251B OR AMS-QQ-A-2252B OR AMS 411714128041154116 OR QQ-A-2008 OR AMS 4160 OR ASTM B211 OR ASTM B221 receive ft				12	12		S084789	Stock	6/27/2018	\$ 9.74 / ft	0	\$116.87	Thyssenkrupp Materials CA Ltd		
																\$1,250.07				

Line	Job	Part	Supplier	Part No	Description	Status	Due Date	Order Received	Quantity	Quantity Received	Balance	Unit	Price (CAD)	Extended Price
1	174-H1150-R4.000	174 SS H1150 Round Bar		6/27/18	6 ft	0 ft	6 ft		\$165.8333/ft		\$995.00			
		4.000"			MATERIAL: 174 PH	CONDITON H1150								

## Items

Supplier:	THY001-VC	PO No.:	PO040266	PO Date:	6/20/18	Purchase Order	Revision:	Revision Date:	Ship-To Contact:	Phone:	Fax: 905 738 9033	5W 5V8 Canada	Phone: 905 669 9444	1270 Aberdeen Street	Hawkesbury	ON	Special Comments: quote no. 1203154691	K6A 1K7 Canada	Phone: 613-632-5200
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Tel (613) 632-5200

**PURCHASE ORDER**  
Po040266

DART Aerospace Ltd.  
1270 Aberdeen St.  
Hawkesbury, ON  
K6A 1K7  
Canada

AEROSPACE  
**DART**

Plex 6/20/18 11:44 AM dart.lavoie.chantal

Procurement Quality Clauses	Order Notes
A005 right of entry	A005 right of entry
A012 chemical and physical test report	A012 chemical and physical test report
A016 personnel qualification	A016 personnel qualification
A017 raw material identification (as applicable)	A017 raw material identification (as applicable)
A026 certification of material conformance	A026 certification of material conformance
A041 quality management system	A041 quality management system
A042 part notification by supplier	A042 part notification by supplier
A043 revision of quality documents	A043 revision of quality documents
A048 counterfeit parts avoidance, detection, mitigation and disposition program	A048 counterfeit parts avoidance, detection, mitigation and disposition program
A049 supplier awareness	A049 supplier awareness
Terms & Condition of Purchasing (Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit <a href="http://www.daratecospacel.com">www.daratecospacel.com</a> for further explanation.	

Line Item	Job	Part	Supplier	Part No	Description	Planned Due Date	Status	Order Due Date	Received Quantity	Quantity	Balance	Unit Price	Extended Price
3		6061T6B2.500X04.500		6061-T6 Bar 2.50 X 4.50	: MATERIAL: 6061-	16/10/2018	Planned	6/27/18	0 ft	6 ft	\$23.8434/ft	\$143.06	
4		6061T6B2.500X01.250		6061-T6 Bar 2.50 X 1.25	: MATERIAL: 6061-	16/10/2018	Planned	6/27/18	12 ft	0 ft	\$9.7391666/ft	\$116.87	16/10/2018
5		M174-B1.250X2.000		174 SS Bar 1.250 X 2.00	: MATERIAL: 174 PH SS	16/10/2018	Planned	7/9/18	24 ft	0 ft	\$46.20/ft	\$1,108.80	16/10/2018
6		M6061T6B2.500X01.250		6061-T6 Bar 2.50 X 1.25	: MATERIAL: 6061-	16/10/2018	Planned	6/27/18	12 ft	0 ft	\$9.7391666/ft	\$116.87	16/10/2018





David Nordine - Director of Quality Assurance

supplier where the data are the result of analysis by a qualified laboratory.

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### CERTIFICATE OF CONFORMITY/CERTIFICATE OF COMPLIANCE

DART AEROSPACE LTD	1270 ABERDEEN ST	HAWKESBURY ON K6A 1K7	
DATE:	06/27/2018	DOC. NO:	2406052923*
BOL. NO:	2406052923	ORDER NO:	1403692528
YOUR P/O:	P0040266	CUSTOMER NO:	100058125
ROUTE:	303UA	CONTACT:	Lucy Truglio
TEL:		FAX:	
EMAIL:	lucy.truglio@thyssenkrupp.co		

### DELIVERY NOTE

thyssenkrupp Materials NA, 4700 chemin du Bois-Franc, Saint-Laurent, QC H4S 1A7

thyssenkrupp



thyssenkrupp Materials NA

Our reports are for the exclusive use of our customer and our name may be used only with prior written approval. Our reports apply only to the sample tested or inspected and do not necessarily represent the quality of other apparently similar or different materials. All test specimens and testing conforms to ASTM A-370 unless otherwise stated. This test report shall not be reproduced, except in full, without the written approval of Accu-Test Labs LLC.

Reviewed By: *Sophia Vallenca*  
Document Reviewer: *Sophia Vallenca*

Tensile Test Results						
No/Location	Size	Area (in <sup>2</sup> )	Ult. Load (lbs.)	Tensile Yield (psi)	Elong (%)	R. of A. Fracture
	.502	114.000	138,800	22.4	62.4	

Unless otherwise stated, yield stress is 0.2% offset, gauge length is 2 in. for 1/2 in. bars or 1 in. for 1/4 in. bars.

Material: 174-H1150 Double Heat HRAF 4"OD X 6"Long Test Piece  
Heat/LD: 269563 Tag: 1007207051  
Job Info:

Ordered By: Kari Buchala  
PO: 5520120553-37A

To: Thyssenkrupp Materials NA  
Report Date: 3/10/2017  
Report No: 776378.00  
Copper & Brass Sales Division  
P.O. Box 5116  
Rev: A  
Cust Acct: THY086  
Southfield, MI 48086-5116

# SPECIFICATION CONTROL DRAWING

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PURCHASE MATERIAL 17-4 PH / S17400 / TYPE 630 SS ROUND BAR  
STAIN MUST BE ALONG LENGTH OF BAR  
MINIMUM YIELD STRENGTH PER TABLE  
MINIMUM ULTIMATE STRENGTH PER TABLE



SPECIFICATION:

AMS 5643 OR ASTM A564



PART NUMBER:

M17-4- HHHHH-R | X.XXX | O.D.

WHERE: HHHHH SPECIFIES THE MATERIAL CONDITION (PER TABLE BELOW)

**MATERIAL CONDITION TABLE:**

CODE	CONDITION	MIN YIELD TENSILE STRENGTH (KSI)	MIN ULTIMATE TENSILE STRENGTH (KSI)
( OMITTED )	( NONE SPECIFIED CONDITION A NOT ACCEPTABLE )	100	150
H900	H900	170	190
H925	H925	155	170
H1025	H1025	145	155
H1075	H1075	125	145
H1100	H1100	115	140
H1150	H1150	105	135
COND A	CONDITION A (SOLUTION TREATED)		

B

B

NOTES: MATERIAL IN H900 AND H925 CONDITIONS NOT RECOMMENDED FOR TENSION OR SHEAR APPLICATIONS IN COLD WEATHER CONDITIONS  
MATERIAL IN H900 AND H925 CONDITION NOT RECOMMENDED FOR APPLICATIONS WHERE STRESS CORROSION CRACKING IS POSSIBLE  
CONDITION A NOT TO BE USED IN DESIGN FOR FINAL PRODUCT AND SHOULD ALWAYS BE HEAT TREATED

**EXAMPLES:**

PART NUMBER	M17-4-R43000
PART NUMBER	M17-4-R900-R2500
PART NUMBER	M17-4-H900-R3500
PART NUMBER	M17-4-H1025-R3500
PART NUMBER	M17-4-COND A-R0750

A

A

APPROVED

DESIGN DRAWN	NO	DART AEROSPACE LTD	
CHECKED	NO	HAWKESBURY, ONTARIO, CANADA	
MFG. APPR.	NO	DRAWING NO.	REV. C
APPROVED	NO	M17-4-R	SHEET 1 OF 1
DE APPR.	NO	17-4 SS ROUND BAR	SCALE
DATE	17.09.14	NTS	NOT FOR FABRICATION

RELEASED  
2017-10-31

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Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

GC 18 INSPECTION		ENGINEERING SIGN OFF (if required)
INSPPECTED BY:	SIGNED OFF BY:	DATE: 18/06/27
		DRS 9 99

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK.					
RECORD RESULTS BELOW					
HR C	HR B	DUR A	DUR D	WEBSTER	HR C
TYPE OF MATERIAL					
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					
TESTERS LOCATED IN THE QUALITY OFFICE					

DESCRIPTION	NCR	Comments
SURFACE DAMAGE	<input checked="" type="checkbox"/> (N)	
CORRECT FINISH	<input checked="" type="checkbox"/> (Y)	
CORROSION	<input checked="" type="checkbox"/> (Y)	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/> (Y)	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="checkbox"/> (Y)	AMS 3643
CORRECT THICKNESS	<input checked="" type="checkbox"/> (Y)	
PHOTO REQUIRED	<input checked="" type="checkbox"/> (Y)	
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/> (Y)	
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/> (Y)	
DOES THIS MATERIAL REQUIRE SIGN OFF	<input checked="" type="checkbox"/> (Y)	
DOES THIS REQUIRE AN ENGINEERING SIGN OFF	<input checked="" type="checkbox"/> (Y)	
EXTRUSION REPORT	<input checked="" type="checkbox"/> (Y)	
SIZE OF TEST SAMPLE		
TYPE OF MATERIAL		
HARDNESS / DUROMETER READING		

MATERIAL CERT REC'D:	163	DATE: 18/06/27
THICKNESS RECEIVED:	4.000"	QUANTITY RECEIVED:
THICKNESS ORDERED:	4.000"	QUANTITY INSPECTED:
SHEET SIZE ORDERED:	—	SHEET SIZE RECEIVED:
SHEET SIZE RECEIVED:	—	QUANTITY REJECTED:

MATERIAL: M17-4-H1150-A4.m  
PO / BATCH NO.: P0040266/5084786

① AI

thyssenkrupp



5c

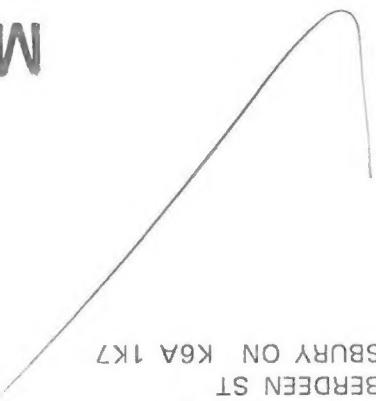
## DELIVERY NOTE

DART AEROSPACE LTD  
1270 ABERDEEN ST  
HAWKESBURY ON K6A 1K7



DATE: 06/27/2018  
DOC. NO: 2406057366\*  
BOL. NO: 2406057366  
ORDER NO: 1403692528  
YOUR P/O: P0040266  
CUSTOMER NO: 10058125  
ROUTE: 303UA  
CONTACT: Lucy Truglio  
TEL: Lucy Truglio  
FAX: Lucy Truglio  
EMAIL: lucy.truglio@thyssenkrupp.co

MTR



WITH TEST REPORTS, PACKING SLIPS ARE TO SENT  
TO SHIPPING.  
ATTN: CHANTAL/LINDA  
\*\* ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER \*\*  
\*\* REFERENCED ON IT \*\*  
Deliveries are carried out for your account and risk acc. to our Gen. Terms & Cond. of Delivery and Payment.

0010 **AMS-QQ-A-225/8, AMS-4160, ASTM B211** ITEM DESCRIPTION  
1 1008750487  
NET QTY1 / QTY2 PACKAG

PC

129 lb

6061 **T6511** Aluminum Extruded Rectangular Nominal Chemistry/Act Physical

2.25000 (+-.024) X 4.0000 (+-.034) X 144 Mill Length

2001379154 1 PCS --- COM

2000398986 20180733 A

PC SERVICE C 5400398986 20180733 A

ROHS COMPLIANT,ASTM B 2211 2014

All items, not declared as partial delivery, are final quantities.  
Delivery Terms: PPD gem. Incoterms 2000 Prepaid PREPAID

David Nordin - Director of Quality Assurance

supplier where the data are the result of analysis by a qualified laboratory.

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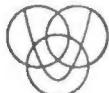
## CERTIFICATE OF CONFORMITY/CERTIFICATE OF COMPLIANCE

DART AEROSPACE LTD  
1270 ABERDEEN ST  
HAWKESBURY ON K6A 1K7  
DATE: 06/27/2018  
DOC. NO: 2406057366\*  
BOL. NO: 2406057366  
ORDER NO: 1403692528  
YOU'R P/O: P0040266  
CUSTOMER NO: 10058125  
ROUTE: 303UA  
CONTACT: Lucy Truglio  
TEL: Lucy Truglio  
FAX: Lucy Truglio  
EMAIL: Lucy.Truglio@th  
m

## DELIVERY NOTE

thyssenkrupp Materials NA, 4700 chemin du Bois-Franc, Saint-Laurier, QC H4S 1A7

thyssenkrupp



thyssenkrupp Materials NA

Service Center Metals

5850 Quality Way  
Prince George, VA 23875

Can Do.



**CERTIFIED INSPECTION REPORT AND TEST RESULTS  
FOR EXTRUDED PRODUCTS**



OUR ORDER NUMBER	ITEM
949765	10

BILL TO	MANIFEST NUMBER	DATE NUMBER	DATE OF SHIPMENT	CERTIFICATION
ThyssenKrupp Materials NA	366568	MRB1807	5/8/2018	ASTM-B221-14 Stencil/Cont
ThyssenKrupp Materials NA-Concord, ON	CUSTOMER I/O 5400398986	ALLOY /TEMPER 6061-T6511	SALESPERSON D.Schroeder (Canada)	SPECIFICATION RoHS 2011/65/EU Compliant

Quantity Certified 1,150 lbs 9pcs CUSTOMER PART NUMBER ALREC00025

We hereby certify that the material covered by this report has been inspected in accordance with the most recent certification revision, and has been found to meet the applicable requirements described herein, including any specifications forming a part of the description, and that samples representative of the material met the composition limits and had the mechanical properties shown. Items produced and certified as 6061-T6511 also meet the requirements of 6061-T6.

All aluminum products supplied by Service Center Metals, LLC contain no functional mercury. Neither mercury nor its compounds are used in the manufacture of aluminum products at our facility. Furthermore, aluminum products supplied by Service Center Metals have not, to the best of our knowledge, contacted any source of mercury.

SCM is ISO 9001-2015 certified

This product is RoHS-2, REACH, and DFARS compliant.

**Mechanical Properties**

Test No. 201807337

Test	Test Date	Ultimate Tensile Strength (KSI)		Yield Strength (KSI)		Percent Elongation	
		min	max	min	max	min	max
	4/24/18	51.50	51.50	48.10	48.10	14.70	14.70
	5/7/18	49.40	49.40	45.40	45.40	18.00	18.00

**Chemical Composition for Aluminum Alloy 6061**

Cast #	Lot No.	Alloy	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Al	Others	Total	Melt Source:
001J180417B	201807337	6061	0.74	0.36	0.31	0.10	0.90	0.11	0.07	0.03	97.38	0.05	0.15	United States of America
001M180428A	20180301	6061	0.73	0.38	0.31	0.11	0.88	0.11	0.06	0.03	97.38	0.05	0.15	United States of America

SCM products are melted and extruded in the USA

Print Date: 5/8/2018

Calvin J. Wiggins, Director of Quality & Technical Services

Rev 3/14/2018

From: TK Materials CA, Ltd.  
Cust. DART AEROSPACE LTD  
CStar  
Wgt.: 129 LB  
Date 06/26/2018  
CSector P0040266  
Del.: 2406057366  
Date 06/26/2018

# SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: 6061 T6/1651/T6510/T651/T62 ALUMINUM BAR  
 SPECIFICATION: QQ-A-2258 OR AMS-QQ-A-2258 (OR AMS-4128/4115/4116)  
 OR QQ-A-2008 OR AMS-OO-A-2008 (OR AMS-4160)  
 OR ASTM B211 OR ASTM B221

PART NUMBER:

M6061T6B | T-TTT | X | WW/WWW

THICK | WW | WIDTH

WHERE "TTT" = THICKNESS IN INCHES  
 "WW WW" = WIDTH IN INCHES

E.G. 1.0" X 12.0" BAR = M6061T6B1.000X12.00

B		REMOVE QQ-A-25641 OPTION REFORMAT NOTES ADD		09/07/13	
A		ASTM B21/T62 (IN DS-1)		DS	
REV		N/P W-S-Suf		01/06/08	
DESIGN		DS		BY DATE	
DRAWN		HAWKESBURY ONTARIO CANADA			
CHECKED		DRAFTING NO			
MFG. APPR.		M6061T6B		SHEET 1 OF 1	
APPROVED		MTE		SCALE	
DE. APPR		6061-T6 BAR		NTS	
DATE		09/07/13		REV. B	
				COPRIGHT © 2001 BY DART AEROSPACE LTD	
				NTS	

**RELEASED**  
 2009-05-07  
*M*

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

ENGINEERING SIGNOFF (if required)		QC 18 INSPECTION
INSPPECTED BY:	SIGNED OFF BY:	DATE: 18/06/27
		9
		AMC

RECORD RESULTS BELOW						TESTERS LOCATED IN THE QUALITY OFFICE	
TYPE OF MATERIAL	HR C	HR B	DUR A	DUR D	WEBSTER	HARDNESS / DUROMETER READING	
SIZE OF TEST SAMPLE							
CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK.							

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y (N)	
CORROSION	Y (N)	
CORRECT GRAIN DIRECTION	X (N)	
CORRECT MATERIAL PER-DRAWING	X (N)	AM5-4160
PHOTO REQUIRED	Y (N)	
CORRECT REF # TO LINK CERT	X (N)	171201802337
CORRECT MATERIAL IDENTIFICATION	Y (N)	
CORRECT M# ON THE MATERIAL	X (N)	
DOES THIS MATERIAL REQUIRE	Y (N)	
ENGINEERING SIGN OFF	Y (N)	
DOES THIS REQUIRE AN	Y (N)	
EXTRUSION REPORT	Y (N)	

MATERIAL CERT REC'D:	Y/25	QUANTITY RECEIVED:	1244
THICKNESS ORDERED:	2.25"	QUANTITY INSPECTED:	1244
THICKNESS RECEIVED:	2.25"	SHET SIZE ORDERED:	—
SHEET SIZE RECEIVED:	—	SHET SIZE RECEIVED:	—
DATE:	18/06/27	DATE:	18/06/27

MATERIAL: M606176B2.250x400 PO / BATCH NO.: 004226/5084787



David Nordin - Director of Quality Assurance



\*Materielle NA certifiée que le matériel décrit ci-dessus est conforme aux dessins ou spécifications exigées sur le bon de commande et qu'il sort en vigueur à la date ou la commande a été acceptée. Thyssenkrupp Materials NA certifies that the material described above is in accordance with the drawings or specifications called for on said order that are current on the date of acceptance.

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## CERTIFICATE OF CONFORMITY/CERTIFICATE OF COMPLIANCE

DART AEROSPACE LTD  
1270 ABERDEEN ST  
HAWKESBURY ON K6A 1K7  
DATE: 06/27/2018  
DOC. NO: 2406053413\*  
BOL. NO: 2406053413  
ORDER NO: 1403692528  
YOUR P/O: P0040266  
CUSTOMER NO: 10058125  
ROUTE: 303-A  
CONTACT: LUCY Trujillo  
TEL: Lucy Trujillo  
FAX:  
EMAIL: lucy.trujillo@th

## DELIVERY NOTE



Service Center Metals

5350 Quality Way  
Prince George, VA 23875

**CERTIFIED INSPECTION REPORT AND TEST RESULTS  
FOR EXTRUDED PRODUCTS**



**Can Do.**

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Quality Way

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Service Center Metals

5350 Quality Way  
Prince George, VA 23875

**Can Do.**

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## SPECIFICATION CONTROL DRAWING

D

PURCHASE MATERIAL 6061-T6/1651/T6510/T6511/T62 ALUMINUM BAR  
 SPECIFICATION: QQA-225B OR 4160S-QQA-225B (OR AMS 4117A/1284/115/4116)  
 OR 4160-2018 OR AMS-QQA-2/2018 (OR AMS 4160)  
 OR ASTM B211 OR ASTM B221

PART NUMBER:

M6061T6B | T TTT X : WWW WWW

THICK | WIDTH

WHERE "TTT" = THICKNESS IN INCHES  
 "WWW" = WIDTH IN INCHES  
 E.G. 1.0" X 12.0" BAR = M6061T6B1 000X12 000

C

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E

**RELEASED**  
 2009-05-03

B		REMOVE DRA-25011 (OPTION REFORMAT NOTES AND ASTM B211/221 (2N D7-1)		CP	09/07/13
A	NEW ISSUE			DS	01/06/09
		DESCRIPTION			
REV		BY DATE			
DESIGN	DS	DART AEROSPACE LTD			
DRAWN	10	HAWKESBURY, ONTARIO, CANADA			
CHECKED	RJS	DRAWING NO			
MFG APPR	RJS	M6061T6B			
APPROVED	MJS	TITLE	REV. B		
DE APPR	MJS	SHEET 1 OF 1			SCALE
DATE	09/07/13	NTS			
COPYRIGHT © 2001 BY DART AEROSPACE LTD					

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

INSPECTED BY: <i>AT</i>		SIGNED OFF BY: <i>AT</i>	DATE: <i>19/06/27</i>
DAS 9		9-89	
ENGINEERING SIGNOFF (if required)			

RECORD RESULTS BELOW						
CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK.						
TYPE OF MATERIAL	HRD	HRB	DUR A	DUR D	WEBSTER	
	SIZE OF TEST SAMPLE					HARDNESS / DUROMETER READING

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	<input checked="" type="checkbox"/>	AM-80-A-2028
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/>	CORRECT MATERIAL PER DRAWING
CORROSION	<input checked="" type="checkbox"/>	AM-80-A-2028
CORRECT FINISH	<input checked="" type="checkbox"/>	PHOTO REQUIRED
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/>	CORRECT REF # TO LINK CERT
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/>	CORRECT MATERIAL IDENTIFICATION
DOES THIS MATERIAL REQUIRE	<input checked="" type="checkbox"/>	CORRECT M# ON THE MATERIAL
ENGINEERING SIGN OFF	<input checked="" type="checkbox"/>	DOES THIS MATERIAL REQUIRE
TESTERS LOCATED IN THE QUALITY OFFICE		EXTRUSION REPORT

MATERIAL CERT REC'D:	<i>2.50"</i>	THICKNESS RECEIVED:	<i>2.50"</i>	QUANTITY RECEIVED:	<i>64</i>	
PO / BATCH NO.:	M60617652.500 X04500				SHEET SIZE RECEIVED:	<i>2.50"</i>
DATE:	<i>19/06/27</i>				QUANTITY REJECTED:	<i>0</i>

## DELIVERY NOTE

thyssenkrupp



thyssenkrupp Materials NA

1270 ABERDEEN ST  
HAWKESBURY ON K6A 1K7  
DART AEROSPACE LTD

DATE: 06/27/2018  
DOC. NO: 2406053584  
BOL. NO: 2406053584  
ORDER NO: 1403692528  
YOUR PO: P0040266  
CUSTOMER NO: 10058125  
ROUTE: 303-A  
CONTACT: Lucy Truglio  
TELE: Lucy Truglio  
FAX: Lucy.Truglio@thyssenkrupp.co  
EMAIL: Lucy.Truglio@thyssenkrupp.co  
m

WITH TEST REPORTS, PACKING SLIPS ARE TO SENT  
TO SHIPPING.  
ATTN: CHANTAL/LINDA  
\*\* ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER \*\*  
\*\* REFERENCE ON IT \*\*  
Deliveries are carried out for your account and risk acc. to our Gen. Terms & Cond. of Delivery and Payment.  
0010 **AMS-QQ-A-225/8** **AMS-4160, ASTM B211 OR ASTM**  
ITEM DESCRIPTION  
0008751585  
1 PC  
44  
b  
6061 T6511 Aluminum Extruded Rectangular  
1.25000 (+-.012) X 2.5000 (+-.024) X 144 Mill Length  
Nominal Chemistry/Act Physical  
Standard Packaging  
B221  
**AMS-QQ-A-225/8,AMS-4160, ASTM B211 OR ASTM**  
TAGNUM QTY UOM/END VEND/PD HLOT PCS --- COM  
2001379331 1 PC SERVICE C 5400400615 201807982 A  
ROHS COMPLIANT:ASTM B 221 | 2014

All items, not declared as partial delivery, are final quantities.  
Delivery Terms: PPD gsm, Incoterms 2000 Prepaid REPAID

52.000 lb

Total Gross Weight

David Noodine - Director of Quality Assurance

supplier where the data are the result of analysis by a qualified laboratory.

de l'analyse faite par un laboratoire qualifié. We certify that the document re-

\* Nous certifions que le document reproduit ici est une copie conforme du r

according to the drawings or specifications called for on said order that

заглавие на документа, а във външните обекти на документа са възможни идентификационни

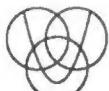
et qui sont au niveau d'un état où la demande a été acceptée / l'assassinat

\* l'hypothèse de l'ordre NA certifie que le matériel décrit ci-dessus est conforme à l'hypothèse de l'ordre NA.

## CERTIFICATE OF CONFORMITY/CERTIFICATE OF COMPLIANCE

DATE:	06/27/2018	DOC. NO.:	2406053584*	BOL. NO.:	2406053584	ORDER NO.:	1403692528	YOUR P/O:	P0040266	CUSTOMER NO.:	10058125	ROUTE:	303-A	CONTACT:	Lucy Truglio	TEL:		FAX:		EMAIL:	lucy.truglio@thi	m
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## DELIVERY NOTE



# Service Center Metals

5850 Quality Way

Prince George, VA 23875

**Can Do.**

## CERTIFIED INSPECTION REPORT AND TEST RESULTS FOR EXTRUDED PRODUCTS



BILL TO

Thyssenkrupp Materials NA

SHIP TO

ThyssenKrupp Materials NA-St Laurent, QC

Quantity Certified

3,738 lbs

84 pcs

ALREC00316

MANIFEST NUMBER

366563

DATE OF SHIPMENT

5/8/2018

ALLOY/TEMPER

MRB0475

CERTIFICATION

ASTM-B221-14 Stencil/Cont

SPECIFICATION

RoHS 2011/65/EU Compliant

SALESPERSON

D.Schroeder (Canada)

DESCRIPTION

MQRB 1.250 x 2.500

We hereby certify that the material covered by this report has been inspected in accordance with the most recent certification revision and has been found to meet the applicable requirements described herein, including any specifications forming a part of the description, and that samples representative of the material met the composition limits and had the mechanical properties shown. Items produced and certified as 5061-T6511 also meet the requirements of 6061-T6.

All aluminum products supplied by Service Center Metals, LLC contain no functional mercury. Neither mercury nor its compounds are used in the manufacture of aluminum products at our facility. Furthermore, aluminum products supplied by Service Center Metals have not, to the best of our knowledge, contacted any source of mercury.

SCM is ISO 9001-2015 certified

This product is RoHS-2, REACH, and DFARS compliant.

### Mechanical Properties

Test

Lot No.

3 (201807982)

Test Date

Ultimate Tensile Strength (KSI)

Percent Elongation

5/6/18	min 48.30	max 50.10	min 43.90	max 46.20	min 14.80	max 16.90
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### Chemical Composition for Aluminum Alloy 6061

Cast #	Lot No.	Alloy	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Al	Others	Each	Total	Melt Source
001E180323A	201807982	6061	0.75	0.37	0.32	0.11	0.90	0.11	0.06	0.03	97.35	0.05	0.15	United States of America	
001E180323Y	201807982	6061	0.76	0.37	0.33	0.12	0.97	0.10	0.05	0.03	97.27	0.05	0.15	United States of America	

SCM products are melted and extruded in the USA

Print Date: 5/8/2018

Calvin J. Wiggins, Director of Quality & Technical Services

Rev 3/14/2018

From: TK Materials CA, Ltd.  
Cust.: DART AEROSPACE LTD  
Cstmr: Cstmr  
Date: 06/26/2018  
Cstmr: Cstmr  
Wght.: 44 LB

DeL.: 2406053584  
Cstmr: Cstmr  
Date: 06/26/2018

## SPECIFICATION CONTROL DRAWING

D

PURCHASE MATERIAL 6061-T6/T651/T6510/T651N/T62 ALUMINUM BAR

SPECIFICATION:

QQ-A-2258 OR AMS-QQ-A-2258 (OR AMS 4174/128/4115/4116)  
OR QQ-A-2008 OR AMS-QQ-A-2008 (OR AMS 4160)  
OR ASTM B211 OR ASTM B221

PART NUMBER:

M6061T6B | T.TTT | X | WW.WWW |  
THICK | WIDTH |

WHERE "TTT" = THICKNESS IN INCHES  
"WW.WWW" = WIDTH IN INCHES

E.G. 1.0" X 12.0" BAR = M6061T6B1.000X12.000

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C

B	REASON: QD-A-2504 (OPTION REFORMAT AS/RS-400)	CP	09/07/13
A	NEW ISSUE	DS	01/06/09
REV	DESCRIPTION		
DESIGN	DS		
DRAWN	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA		
CHECKED	JJS		
MFG. APPR.	DRAWING NO.	REV. B	SHEET 1 OF 1
APPROVED	M6061T6B	TITLE	SCALE
DE APPR	6061-T6 BAR	INTS	
DATE	09.07.13	COPYRIGHT © 2009 BY DART AEROSPACE LTD ALL RIGHTS RESERVED. THIS DRAWING IS THE PROPERTY OF DART AEROSPACE LTD AND IS TO BE KEPT CONFIDENTIAL AND NOT COPIED OR DISCLOSED WITHOUT THE WRITTEN PERMISSION OF DART AEROSPACE LTD.	

RELEASED  
2009-05-05  
JJS

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Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)
INSPECTED BY:	DAS 9	SIGNED OFF BY:
		DATE: 18/06/20 9-89

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK.					
RECORD RESULTS BELOW					
TYPE OF MATERIAL	HRc	HRB	DUR A	DUR D	WEBSTER
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					
Testers located in the Quality Office					

DESCRIPTION	NCR Check (Y/N)	COMMENTS
SURFACE DAMAGE	Y (N)	
CORROSION	Y (N)	
CORRECT FINISH	Y (N)	
CORRECT GRAIN DIRECTION	Y (N)	
CORRECT MATERIAL PER DRAWING	Y (N)	AMS - QA - A-235/8
CORRECT THICKNESS	Y (N)	
PHOTO REQUIRED	Y (N)	
CORRECT REF # TO LINK CERT	Y (N)	HT: 201807482
CORRECT MATERIAL IDENTIFICATION	Y (N)	
CORRECT M# ON THE MATERIAL	Y (N)	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y (N)	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y (N)	
CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK.		

MATERIAL CERT REC'D:	125	DATE: 18/06/27	
THICKNESS ORDERED:	2.500"	QUANTITY RECEIVED:	125
THICKNESS RECEIVED:	2.500"	QUANTITY INSPECTED:	125
SHEET SIZE ORDERED:	—	SHEET SIZE RECEIVED:	—
SHEET SIZE RECEIVED:	—	QUANTITY REJECTED:	—

MATERIAL: M606176B250x1250  
PO / BATCH NO.: 100402665084789